

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A production method of an electrical connection structure, the method comprising the steps of:

operating at least one carbon nanotube as an electrode to an arbitrary portion of a biopolymer; and

contacting the electrode with the biopolymer at the arbitrary portion;

wherein the electrode and the biopolymer are fixed together in a stable electrically connected state by the contacting step.
2. (Previously Presented) The method of claim 1, further comprising, after the steps of providing the carbon nanotube as the electrode and contacting the electrode with the biopolymer, the step of applying a voltage between the electrode and the biopolymer.
3. (Previously Presented) The method of claim 2, wherein the step of applying a voltage between the electrode and the biopolymer comprises applying a voltage of 1 to 20 volts.
4. (Original) The method of claim 1, wherein the biopolymer is one of DNA and RNA.
5. (Original) The method of claim 1, wherein the biopolymer has a polar group, and the polar group and the electrode are made to contact each other.
6. (Original) The method of claim 1, wherein the electrode has a polar group at an end portion thereof, and the polar group and the biopolymer are made to contact each other.

7. (Original) The method of claim 5, wherein the polar group is selected from at least one of a carboxyl group, a carbonyl group, a hydroxyl group, an amine group, and an amide group.

8.-13. (Canceled)

14. (Previously Presented) An electric wiring method, comprising the step of operating and electrically connecting at least one carbon nanotube as an electrode to a biopolymer, wherein the electrode and the biopolymer are fixed together at an arbitrary portion of the biopolymer in a stable electrically connected state.

15. (Previously Presented) The electric wiring method of claim 14, wherein an electric current is applied to the electrode and the biopolymer in a stable electrically connected state in order to stabilize electrical connection between the biopolymer and the electrode.

16. (Original) The electric wiring method of claim 14, wherein the electrode has a polar group at an end portion thereof, the polar group generating attraction force with respect to the biopolymer.

17. (Canceled)

18. (Previously Presented) A production method of an electrical connection structure, the method comprising the steps of:

operating at least one carbon nanotube as an electrode to an arbitrary portion of a biopolymer; and

contacting the electrode with the biopolymer at the arbitrary portion;

wherein the electrode and the biopolymer are fixed together in a stable electrically connected state by the contacting step, and wherein contacting the electrode with the biopolymer comprises synthesizing the biopolymer onto the carbon nanotube.

19. (Previously Presented) The production method of claim 1, wherein the biopolymer is a natural biopolymer.
20. (Previously Presented) The production method of claim 1, wherein the biopolymer is an artificially synthesized biopolymer.
21. (Previously Presented) A production method of a semiconductor device including an electrical connection structure, the method comprising the steps of:
- operating at least one carbon nanotube as an electrode with the biopolymer at the arbitrary portion;
 - contacting the electrode with the biopolymer at the arbitrary portion;
 - wherein the electrode and the biopolymer are fixed together in a stable electrically connected state by the contacting step.

22-27. (Canceled)